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1 Designing for and with diaspora: a case study of work for the truth and reconciliation commission of liberia

 Michael L. Best, Thomas N. Smyth, Daniel Serrano-Baquero, John Etherton
 April CHI '09: Proceedings of the 27th international conference extended abstracts on Human factors in computing systems
 Publisher: ACM

Full text available: Pdf (3.96 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics Downloads (6 Weeks): 8, Downloads (12 Months): 60, Downloads (Overall): 98, Citation Count: 0

We describe our experiences in designing new media technologies in cooperation with Liberia's Truth and Reconciliation Commission. This work includes two major projects: a dynamic, interactive Web site for the Commission, and a mobile video-sharing kiosk ...

Keywords: contextual design, cross-cultural design, diaspora, libena, participatory design, post-conflict reconciliation, user-centered design

2 Automatic summarization of voicemail messages using lexical and prosodic features

 Konstantinos Koumpis, Steve Renals
 February 2005 Transactions on Speech and Language Processing (TSLP), Volume 2 Issue 1
 Publisher: ACM [Request Permissions](#)

Full text available: Pdf (942.94 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics Downloads (6 Weeks): 9, Downloads (12 Months): 75, Downloads (Overall): 625, Citation Count: 8

This article presents trainable methods for extracting principal content words from voicemail messages. The short text summaries generated are suitable for mobile messaging applications. The system uses a set of classifiers to identify the summary words ...

Keywords: Voicemail, automatic summarization, feature subset selection, prosody, receiver operating characteristic, short message service

3 An open architecture for next-generation telecommunication services

 Gregory W. Bond, Eric Cheung, K. Hal Purdy, Pamela Zave, J. Christopher Ramming
 February 2004 Transactions on Internet Technology (TOIT), Volume 4 Issue 1
 Publisher: ACM [Request Permissions](#)

Full text available: Pdf (237.24 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics Downloads (6 Weeks): 13, Downloads (12 Months): 293, Downloads (Overall): 5340, Citation Count: 9

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An open (in the sense of extensible and programmable) architecture for IP telecommunications must be based on a comprehensive strategy for managing feature interaction. We describe our experience with BoxOS, an IP telecommunication platform that implements ...

Keywords: Component architectures, Intelligent Network architecture, Session Initiation Protocol, electronic mail, feature interaction, instant messaging, multimedia systems, network addressing, network interoperation, network optimization, network protocols, service creation

4 [MobiDesk: mobile virtual desktop computing](#)

 [Ricardo A. Baratto, Shaya Potter, Gong Su, Jason Nieh](#)

September **MobiCom '04:** Proceedings of the 10th annual international conference on Mobile computing and networking

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (590.39 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 169, Downloads (Overall): 1382, Citation Count: 11

We present MobiDesk, a mobile virtual desktop computing hosting infrastructure that leverages continued improvements in network speed, cost, and ubiquity to address the complexity, cost, and mobility limitations of today's personal computing infrastructure. ...

Keywords: computer utility, network mobility, on-demand computing, process migration, thin-client computing, virtualization

5 [A survey of autonomic computing—degrees, models, and applications](#)

 [Markus C. Huebscher, Julie A. McCann](#)

August 2008 **Computing Surveys (CSUR)**, Volume 40 Issue 3

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (217.77 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 172, Downloads (12 Months): 1558, Downloads (Overall): 3823, Citation Count: 6

Autonomic Computing is a concept that brings together many fields of computing with the purpose of creating computing systems that self-manage. In its early days it was criticised as being a "hype topic" or a rebranding of some Multi Agent ...

Keywords: Autonomic computing, self-adaptive, self-healing systems

6 [Experiences with recombinant computing: Exploring ad hoc interoperability in evolving digital networks](#)

 [W. Keith Edwards, Mark W. Newman, Jana Z. Sedivy, Trevor F. Smith](#)

April **Transactions on Computer-Human Interaction (TOCHI)**, Volume 16 Issue 1

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (3.34 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 250, Downloads (Overall): 275, Citation Count: 0

This article describes an infrastructure that supports the creation of interoperable systems while requiring only limited prior agreements about the specific forms of communication between these systems. Conceptually, our approach uses a set of "meta-interfaces"—agreements ...

Keywords: Mobile code, Obje, Speakeasy, discovery, infrastructure, interoperability, recombinant computing, ubiquitous computing, user interfaces

7 [Proceedings of the 2000 ACM/IEEE conference on Supercomputing \(CDROM\)](#)

[Jed Donnelley](#)

November **Supercomputing '00:** Proceedings of the 2000 ACM/IEEE conference on Supercomputing (CDROM)

Publisher: IEEE Computer Society

Additional Information: [full citation](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

8 The information furnace: consolidated home control

Diomidis D. Spinellis

May 2003

Publisher: Springer-Verlag

Full text available:  Pdf (488.36 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics Downloads (6 Weeks): 36, Downloads (12 Months) 108, Downloads (Overall) 1428, Citation Count: 6

The Information Furnace is a basement-installed PC-type device that integrates existing consumer home-control, infotainment, security and communication technologies to transparently provide accessible and value-added services. A modern home contains ...


Keywords: Automation, Consumer electronics, Home-control, Multi-modal interfaces

9 Fragment, tag, enrich, and send: Enhancing social sharing of video

 Pablo Cesar, Dick C. A. Bulterman, Jack Jansen, David Geerts, Hendrik Knoche, William Seager

August 2009

Publisher: ACM

Full text available:  Pdf (8.85 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics Downloads (6 Weeks): 32, Downloads (12 Months) 308, Downloads (Overall) 308, Citation Count: 0

The migration of media consumption to personal computers retains distributed social viewing, but only via nonsocial, strictly personal interfaces. This article presents an architecture, and implementation for media sharing that allows for enhanced social ...

Keywords: Asynchronous media sharing, differentiated content enrichment, secondary screens

10 Queue: Volume 6 Issue 2

 March 2008


Publisher: ACM

Full text available:  Pdf (7.96 MB)

Additional Information: [full citation](#), [index terms](#)

Bibliometrics Downloads (6 Weeks): 27, Downloads (12 Months) 78, Downloads (Overall): 515, Citation Count: 0

11 A simple mechanism for capturing and replaying wireless channels

 Glenn Judd, Peter Steenkiste

August 2005

Publisher: ACM

Full text available:  Pdf (6.06 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics Downloads (6 Weeks): 38, Downloads (12 Months) 410, Downloads (Overall) 2285, Citation Count: 3

Physical layer wireless network emulation has the potential to be a powerful experimental tool. An important challenge in physical emulation, and traditional simulation, is to accurately model the wireless channel. In this paper we examine the possibility ...


Keywords: channel capture, emulation, wireless

12 The state of the art in automating usability evaluation of user interfaces

 Melody Y. Ivory, Marti A Hearst

December 2001

Publisher: ACM

Full text available:  Pdf (2.31 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics Downloads (6 Weeks): 130, Downloads (12 Months) 1223, Downloads (Overall): 13138, Citation Count: 78

Usability evaluation is an increasingly important part of the user interface design process. However, usability evaluation can be expensive in terms of time and human resources, and automation is therefore a promising way to augment existing approaches. ...

Keywords: Graphical user interfaces, taxonomy, usability evaluation automation, web interfaces

13 [interactions: Volume 15 Issue 3](#)

May 2008

[interactions](#)**Publisher:** ACMFull text available: [Digital Edition](#) . [Pdf](#) (7.95 MB)Additional Information: [full citation](#)**Bibliometrics:** Downloads (6 Weeks): 94, Downloads (12 Months): 277, Downloads (Overall): 1474, Citation Count: 014 [Exploiting perception in high-fidelity virtual environments](#)**Additional presentations from the 24th course are available on the citation page**

Mashhuda Glencross, Alan G. Chalmers, Ming C. Lin, Miguel A. Otaduy, Diego Gutierrez

July 2008 **SIGGRAPH '06: SIGGRAPH 2006 Courses****Publisher:** ACM [Request Permissions](#)Full text available: [Moy](#) (68.6 MIN), [Pdf](#) (5.07 MB) Additional Information: [full citation](#), [appendices and supplements](#), [abstract](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 170, Downloads (12 Months): 1299, Downloads (Overall): 5311, Citation Count: 1

The objective of this course is to provide an introduction to the issues that must be considered when building high-fidelity 3D engaging shared virtual environments. The principles of human perception guide important development of algorithms and techniques ...

Keywords: collaborative environments, haptics, high-fidelity rendering, human-computer interaction, multi-user, networked applications, perception, virtual reality

15 [interactions: Volume 16 Issue 2](#)

March 2008

[interactions](#)**Publisher:** ACMFull text available: [Digital Edition](#) . [Pdf](#) (17.31 MB)Additional Information: [full citation](#)**Bibliometrics:** Downloads (6 Weeks): 100, Downloads (12 Months): 350, Downloads (Overall): 770, Citation Count: 016 [Communications of the ACM: Volume 52 Issue 1](#)

January 2009

[Communications of the ACM](#)**Publisher:** ACMFull text available: [Digital Edition](#) . [Pdf](#) (7.72 MB)Additional Information: [full citation](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 329, Downloads (12 Months): 597, Downloads (Overall): 1579, Citation Count: 017 [Communications of the ACM: Volume 53 Issue 4](#)

April 2010

[Communications of the ACM](#)**Publisher:** ACMFull text available: [Digital Edition](#) . [Pdf](#) (14.07 MB)Additional Information: [full citation](#)**Bibliometrics:** Downloads (6 Weeks): 1881, Downloads (12 Months): 3808, Downloads (Overall): 3808, Citation Count: 018 [A secure infrastructure for service discovery and access in pervasive computing](#)


Jeffrey Undercoffer, Filip Perich, Andrej Cedilnik, Lalana Kagal, Anupam Joshi

April 2003 **Mobile Networks and Applications**, Volume 8 Issue 2**Publisher:** Kluwer Academic PublishersFull text available: [Pdf](#) (308.34 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 87, Downloads (Overall): 1460, Citation Count: 14

Security is paramount to the success of pervasive computing environments. The system presented in this paper provides a communications and security infrastructure that goes far in advancing the goal of anywhere-anytime computing. Our work securely enables ...

Keywords: distributed services, extensible markup language, pervasive computing, security, smartcards

19 Structured multimedia authoring

 Dick C. A. Bulterman, Lynda Hardman

February **Transactions on Multimedia Computing, Communications, and Applications (TOMCCAP)**,
2005 Volume 1 Issue 1

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (7.07 MB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 185, Downloads (Overall): 1674, Citation Count: 16

Authoring context sensitive, interactive multimedia presentations is much more complex than authoring either purely audiovisual applications or text. Interactions among media objects need to be described as a set of spatio-temporal relationships that ...

Keywords: Multimedia authoring, SMIL, hypermedia, synchronization

20 Mediating intimacy: designing technologies to support strong-tie relationships

 Frank Vetere, Martin R. Gibbs, Jesper Kjeldskov, Steve Howard, Florian 'Floyd' Mueller, Sonja Pedell, Karen Mecoles, Marcus Bunyan

April **CHI '05: Proceedings of the SIGCHI conference on Human factors in computing systems**
2005

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (653.47 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 37, Downloads (12 Months): 407, Downloads (Overall): 2188, Citation Count: 43

Intimacy is a crucial element of domestic life, and many interactive technologies designed for other purposes have been appropriated for use within intimate relationships. However, there is a deficit in current understandings of how technologies are ...

Keywords: cultural probes, ethnography, intimacy, intimate technology, participatory design, tactile interfaces

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